

T_Shadow (Make Own Style)

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Abstract: *Online Printed T-Shirt Designing system is a new concept of getting custom printed T Shirts of your own design. This application allows customers to design their T Shirts from their own with the help of available designing tools. New customers can get registered on the website and start designing. It also contains a small part of online shopping system. Customers get T Shirts delivered at their door step. The purpose of this project is to provide a website that would allow customers to be able to customize T-shirt and place an order of custom T-shirt. Also, the one new thing that we are going to add in this platform is that if the users wants so they can upload their design on the website and is another person likes the particular design, designed by other and ordered the same then the customer whose design is purchased will get rewards. So, in this way we are able to attract more and more users on our platform. Customers can sign up, sign in, select T-shirt color, add text, choose Font, choose Font color, upload an image, apply filters to images, transform text or images, choose T-shirt size and save designs for future references. Customers would be able to add the design to a cart, manage cart and checkout with their credit card to purchase for the order and view their previous orders. After the payment users are notified about the status via message along with unique code.*

Keywords: Printing, Shopping, Designing, Q-R Code, Unique Code, Order

I. INTRODUCTION

According to recent studies, t-shirts lead the list of top-selling fashion articles across all demographics. If you are planning to build your own business, this is a smart choice to consider. In order to be successful, all businesses must move with the world; not against it. Being smart about your next move is a better way to have a competitive edge. The proposed project is a “Online Printed T-shirt Designing” website that provides user a user-friendly environment. These will have registration for new Users and login for Members. This software will have Admin Login which will check for new request and orders, Member Login in which they can use designing studio. In the designing studio they can create customize design using wide range of Colours & Design, select any image, enter any custom text & choose size and colour of T-shirt. After designing is complete, they can place order & make payment at the delivery time and can even place bulk order for the same. This Ordered T-Shirt will be delivered to their door steps by COD. The Admin Login will accept request to check design, approve Order, and create bill. After that they can track and cancel their order also & all other things. An Online Printed T-shirt Designing System like this helps user saves time of user as we don't have to see T-shirts from different cloth stores. Also, T-shirts comes to users' doorsteps by Cash on delivery (COD). And due to Covid-19 pandemic situation small businesses getting affected day by day so to improve and help them, the motivation of our project came up from.

II. OBJECTIVE

The objective of the works is to propose options for Online Printed T-shirt Designing system.

- It saves time of user as we don't have to see T-shirts from different cloth stores.
- Gets huge choice of colours.
- Gets virtual view of T-shirts.
- Make it Personalized.
- Online & User-friendly website & easy to use.
- T-shirts comes to users' doorsteps by Cash on delivery (COD).

- It keeps track of customer service details.
- Fast & Accurate.
- Provide better service to the customer as they want.

2.1 Scope

The main purpose of the T_Shadow project is to allow the users to design and sell T shirts Online. Intended customers of the web site are all the people who love wearing printed T shirts and also those who love designing T shirts. In the designing studio user can create customize design using wide range of Coolers & Design, select any image, enter any custom text & choose size and color of T-shirt. Also, user can view 3D view of the designed T shirt which will give them actual feel of how their designed T shirt looks like after getting printed. After designing is complete, they can place order. The Ordered T-Shirt will be delivered to the door steps by COD (Cash on Delivery).

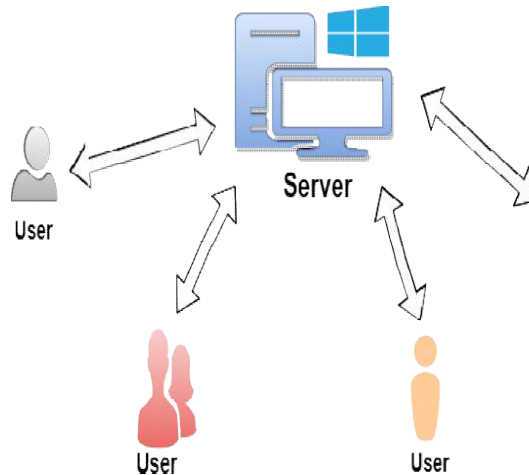
2.2 Study of Existing System

A. Current System

Offset Printing: Offset printing is one of the most common ways of creating printed matter. Compared to other printing methods, offset printing is best suited for economically producing large volumes of high quality prints in a manner that requires little maintenance. Offset printing produces sharp and clean images and type fonts and is also the cheapest method for producing high quality prints in commercial printing quantities.

However, Because the offset process includes the added steps of creating plates and performing the transfer, this method requires extra setup time. If you need a quick turnaround, last minute project, or any time-sensitive situation, print on demand is the way to go. Also, offset printing makes personalization more difficult. If you're working on a project that requires a lot of customization, print on demand is more likely to provide the flexibility one need.

B. Project Description

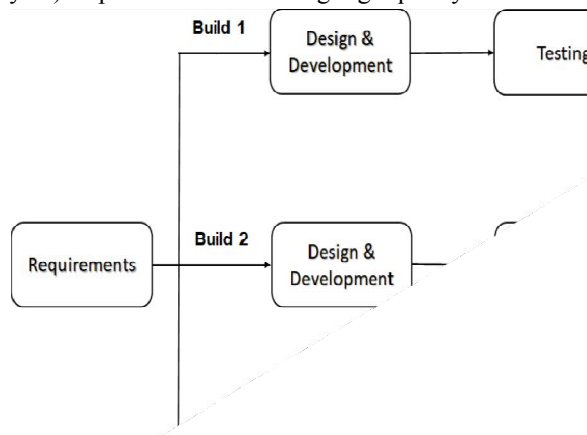


The proposed system is "T_Shadow". Basically, it is a website that provides user a user-friendly environment in which intended users are common people. This application allows customers to design their T Shirts from their own with the help of available designing tools. Customer register on the website and go to design studio. In the designing studio they can select any available image, enter any custom text and choose size and color of the T Shirt. After designing is complete, they can place order and make payment online. User can register on this website as a 'FREELANCER' and as an 'CUSTOMER'. After getting register the Freelancer get an interface where he/she needs to put up his details and build the profile. On completion of this user will see the instructions page where all the necessary information like how to operate website and some other features will be there. On the other hand, it is not compulsory for customer to register but if they want to place order or they want to design T-shirt, they have to compulsorily register. After registration customers can sign up, sign in, can able to see all printed T-shirt of other designer and design their own in which they have to select T-shirt color, add text, choose Font, choose Font color, Choose logo, upload an image, apply filters to

images, transform text or images, choose T-shirt size and save designs for future references. Customers would be able to add the design to a cart, manage cart and checkout with their credit card to purchase for the order and view their previous orders. After the payment users are notified about the status via message along with unique code. All the profiles and order are recorded in our database

III. METHODOLOGY/PLANNING OF THE PROJECT WORK

For this project, the “Incremental Model” model will be used, because Incremental Model is a process of software development where requirements divided into multiple Standalone modules of the software development cycle. The Incremental Model is a method of software development where the product is designed, implemented & tested incrementally (little more is added each time) until the product is finished. It involves both development & maintenance. The product is defined as finished when it satisfies all of its requirements. This model is SDLC approach (Software development Life Cycle). It processes for creating high quality software. The model goes through all the phases



Incremental model

IV. EXPECTED OUTCOME

The expected outcome of the project is to put in place new solutions for Online Printed T-shirt Designing as per the end user expectations; so that the accuracy, speedup, digitization of the system will be enhanced.

1. **Optimized website** - Users find the available size or colour, saving time, resources and energy.
2. **Branding** - Every year thousands of new businesses get started. This is making little challenging for companies to get the attention of their target audience. In order to spread the word about the company and grab the attention, companies have started making use of custom t-shirts by adding something different features which will attract the users.
3. **Less Costly**- As compared to other forms of advertising like hoardings, T.V, etc. custom t-shirts are one of the most cost-effective ways to promote business. Online t-shirt maker tools have also made it easy for people to design shirts or t-shirts for any occasion. In addition to this, a good quality t-shirt has a longer shelf life, helping brand in gaining visibility for a longer period. This has increased the demand of t-shirts.
4. **Promoting A Safe Planet**- Now-a-days, people have become more aware and concerned about the environment. It is making them use eco-friendly products. Not only these t-shirts have quotes that motivate people to protect the planet, but they also use minimal energy and carbon. Why not consider setting up an environmentally friendly t-shirt printing company? After all, there is no planet B!
5. **Build an E-Commerce Platform**- To have an online store, you need to first choose an e-commerce platform. You can either choose to have a self-hosted platform or a hosted platform. The advantage of having a self-hosted platform is that it helps you in creating e-commerce solutions on your own. You can edit your design and can have endless SEO options as well. However, if you choose to have a hosted platform, it will cost you less, compared to a self-hosted platform. But the platform will not allow you to make any editing in your

design if you go for a hosted platform.

6. **Boosting Team Spirit-** Over the past few years, companies have started realizing the importance of creating a strong company culture. Custom t-shirts are a great way in developing a strong emotional bond with the company. It unites internal teams, thus increases motivation and commitment among employees to achieve company's goals.

V. RESOURCES AND LIMITATIONS

The requirements are divided into two different types namely functional and non-Functional requirements. The functional requirements represent of this project what the system will do. Therefore, their priorities are mostly high. The non-functional requirements of this project represent the look and feel of the system. Even though the speed and stability of the system are very important, these requirements are considered to be lower because the system is still in the design stage.

Functional Requirements

User:

- User need to enter all details for registration.
- User need to fill all details about customer and T-shirt.
- User need to create customize design using wide range of color & Design, select any image, enter any custom text & choose size and color of T-shirt.
- User need to save all the details of customer and T-shirt.

Admin

- Admin can retrieve the details of customer.
- Admin can check T-shirt design.
- Admin need to create bill according to design and quantity.
- Admin can update order status.
- Admin can Add, remove and update offers & Products.

Non-Functional Requirements

- **Usability:** This website has appropriate user interface and adequate information to guide the user in order to use the website.
- **Portability:** The website is portable as it is online website running across the net.
- **Efficiency:** When an online shopping this website implemented customer can purchase product in an efficient manner.
- **Security:** This website provides user and authentication so that only the legitimate user are allowed to use the website.
- **Maintainability:** This website is capable to secure the data and easily retrieve the data.
- **Scalability:** This website can further modify in future.

Hardware & Software Requirements

Hardware Requirements (Developer & User End)

- System: Pentium I3 & I5 Processor
- Hard Disk: Minimum- 500 GB
- Recommended- 1 TB
- Monitor: Standard LED Monitor
- Input Device: Standard 104 keys (QWERTY)
- RAM: 4 GB or above

Software Requirements (Developer & User End)

- Operating System: Windows 7,8 &10
- My SQL: For database management
- Visual Studio: As an editor
- Java: For backend purpose

Limitations

- Existing website is not fully automatically.
- If the server fails for any reason, then none of the request of the clients can be fulfilled.

VI. CONCLUSION

This Project is minimizing the task of shopping by making it online and saving time of user, register or easily login and access the designing studio in which they can create customize design using wide range of Colors & Design, select any image, enter any custom text & choose size and color of T-shirt. And place the order & make a safe payment successfully. Those who will upload their design on our platform and if someone buys then they will get cashback. In this way one can also enhance his designing skills and earn with the help of T_Shadow platform. After that T-shirt & happiness will be delivered to their door steps.

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